BRUHATH BANGALURU MAHANAGARA PALIKE

NAME OF WORK:- Modified Estimate for the Construction of Additional Class Rooms,toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College Yelahanka Bangalore in Ward No -01

MODIFIED EST.COST:-2,22,54,347.00

	DESCRIPTION		NO	L	B	D	QTY	UNIT	RATE	AMOUNT
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar.									
							NOT OPERATED			
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffoldingwherever necessary, sorting the dismantled material, disposal ofunserviceable material and stacking the serviceable material with all liftscomplete as per specifications Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.									
							NOT OPERATED			
3	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffoldingwherever necessary, sorting the dismantled material, disposal ofunserviceable material and stacking the serviceable material with all liftscomplete as per specifications.Prestressed / Reinforced cement concrete grade M-20 & above.									
							NOT OPERATED			
4	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).									
							NOT OPERATED			
5	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.Rubble stone masonry in cement mortar.									
							NOT OPERATED			
6	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables)and removing the excavated stuff to a distance not exceeding 50mand lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications									
							NOT OPERATED			
7	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification									
							NOT OPERATED			
8	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machinemixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation and plinth, cost of all materials, labour HOM of machinery, curing complete as per specifications.									
							NOT OPERATED			

	Providing and constructing granite / trap / basalt Size Stone Masonry in cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of maerials, labour, curing Complete as per specifications.										
							NOT OPERATED				
	Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with a lead upto 50m. And lift upto 1.5m including cost of all labour complete as per specifications.										
							NOT OPERATED				
	Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.										
							NOT OPERATED				
	Providing and laying in position reinforced cementconcrete of Providing and removing Centering, shuttering, strutting, propping etc.,and removal of from work for foundations,footings,bases of columns for mass concrete incxluding cost of all materials, labour complete as per specification										
							NOT OPERATED				
	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.										
							NOT OPERATED				
	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Ground Floor										
							NOT OPERATED				
	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. First Floor										
							NOT OPERATED				
	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Second Floor										
							NOT OPERATED				

	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixed concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25									
							NOT OPERATED			
18	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Ground Floor									
							NOT OPERATED			
19	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. First Floor									
							NOT OPERATED			
20	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Second Floor									
							NOT OPERATED			
21	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.									
							NOT OPERATED			
22	Providing and removing Centering, shuttering, strutting, propping etc.,and removal of from work for vertical surface such as walls at any thickness including attched plasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specification									
							NOT OPERATED			
23	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. Ground Floor									
							NOT OPERATED			
24	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. First Floor									
							NOT OPERATED			
25	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. Second Floor									
							NOT OPERATED			
26	Providing and fixing aluminium casement windows,combination of fixed glazing at top fully openable windows using Zsections of 33mm, web Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. Ground Floor									
							NOT OPERATED			
27	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. First Floor									
							NOT OPERATED			

28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level. Second Floor									
							NOT OPERATED			
29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.Ground Floor									
							NOT OPERATED			
30	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.First Floor									
							NOT OPERATED			
31	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.Second Floor									
							NOT OPERATED			
32	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.Ground Floor									
							NOT OPERATED			
33	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.First Floor									
							NOT OPERATED			
34	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications.Second Floor									
							NOT OPERATED			
35	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.Ground Floor									
							NOT OPERATED			
36	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.First Floor									
							NOT OPERATED			
37	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.Second Floor									
							NOT OPERATED			
38	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500. Ground Floor									
							NOT OPERATED			
39	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500.First Floor									
							NOT OPERATED			

40	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500.Second Floor				
					NOT OPERATED
41	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. Ground Floor				
					NOT OPERATED
42	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. First Floor				
					NOT OPERATED
43	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size (40x20x20) cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. Second Floor				
					NOT OPERATED
44	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification				
					NOT OPERATED
45	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor				
					NOT OPERATED
46	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor				
					NOT OPERATED
47	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Second Floor				
					NOT OPERATED
48	Fixing of door frames in an exisying opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications.				
					NOT OPERATED
49	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications				
					NOT OPERATED

50	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. Ground Floor								
							NOT OPERATED		
51	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. First Floor								
							NOT OPERATED		
52	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications. Second Floor								
							NOT OPERATED		
53	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge for Inside Ground Floor								
							NOT OPERATED		
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge for Inside First Floor								
							NOT OPERATED		
55	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing lime rendering for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in								
							NOT OPERATED		
56	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. Ground Floor								
							NOT OPERATED		
57	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. First Floor								
							NOT OPERATED		
58	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering. Second Floor								
							NOT OPERATED		
59	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications								
							NOT OPERATED		
60	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)								
							NOT OPERATED		

	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on ceiling surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)									
							NOT OPERATED			
62	Providing ACE paint to external walls of approved colour and shade over prime's coat.after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material,labour,lead lift with loading unloading etc.complete as per direction of Engineer in charge of work									
							NOT OPERATED			
	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood basedsurface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications									
							NOT OPERATED			
64	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor									
							NOT OPERATED			
	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor									
							NOT OPERATED			
66	Flooring with 20mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Second Floor									
							NOT OPERATED			
67	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications Ground Floor									
							NOT OPERATED			
68	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications First Floor									
							NOT OPERATED			
69	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications Second Floor									
							NOT OPERATED			
70	Providing and applying enamel metal paint two coats(excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications									
							NOT OPERATED			

	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using cement mortar.(using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder o fapproved quality.) Ground Floor									
							NOT OPERATED			
72	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using cement mortar.(using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder o fapproved quality.) First Floor									
							NOT OPERATED			
73	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using cement mortar.(using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder o fapproved quality.) Second Floor									
							NOT OPERATED			
74	Fixtures Providing and fixing of Door locking arrangements									
							NOT OPERATED			
75	Providing and fixing of Handles powder coated 150mm									
							NOT OPERATED			
76	Providing and fixing of Hinges 5" heavy duty									
							NOT OPERATED			
77	Providing and fixing of Hold fasts MS									

							NOT OPERATED			
78	Providing and fixing of Tower bolt 300mm long									
							NOT OPERATED			
	SECOND FLOOR - Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar									
	parpet wall east side		2	39.70	0.23	1.00	18.26			
			1	9.00	0.23	1.00	2.07			
	head room		2	3.00	0.23	1.50	2.07			
			2	7.15	0.23	1.50	4.93			
	north block		2	65.33	0.23	1.00	30.05			
			2	9.15	0.23	1.00	4.21			
	head room		2	3.13	0.23	1.50	2.16			
	QTY FOR ABOVE 125%		2	7.15	0.23	1.50	4.93			
	SR 2015-16 232.00					TOTAL	68.69	Cum		
	AW 6 % 13.92					BOQ QTY	34.27		275.00	9424.25
	TOTAL 245.92					UP TO 125% QTY	8.56		275.00	2354.00
	ADD TP 11.95% 29.38					ABOVE 125% QTY	25.86		275.30	7119.12
	GRAND TOTAL 275.30									
	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.									
	east side		1	39.70	8.90	0.30	106.00			
	north side		1	65.33	9.15	0.30	179.33			
	QTY FOR ABOVE 125%					TOTAL	285.33	Cum		
	SR 2015-16 354.00					BOQ QTY	2.73		420.00	1146.60
	AW 6 % 21.24					UP TO 125% QTY	0.68		420.00	285.60
	TOTAL 375.24					ABOVE 125% QTY	281.92		420.08	118428.89
	ADD TP 11.95% 44.84									
	GRAND TOTAL 420.08									
81	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works inground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.									
	column east side C1 & C2		22	0.45	0.23	2.90	6.60			
	C3		11	0.23	0.23	3.05	1.77			
	north side C1		36	0.45	0.23	2.90	10.81			
	C3		18	0.23	0.23	3.05	2.90			
	column upto parpet		20	0.45	0.23	1.00	2.07			
	column upto parpet		10	0.23	0.23	1.00	0.53			
	column upto parpet		36	0.45	0.23	1.00	3.73			
	column upto parpet		16	0.23	0.23	1.00	0.85			
	column head room C1		4	0.45	0.23	0.80	0.33			
	C3		4	0.23	0.23	0.95	0.20			

C1		4	0.45	0.23	0.80	0.33	✓		
C3		4	0.23	0.23	0.95	0.20	✓		
stair case east side 1st flight		1	4.80	1.50	0.15	1.08	✓		
mid landing		1	3.66	1.75	0.15	0.96	✓		
2nd flight		1	4.70	1.50	0.15	1.06	✓		
steps	0.5	22	1.50	0.37	0.15	0.91	✓		
north side near old roof		1	1.00	1.50	0.15	0.23	✓		
1st flight		1	4.40	1.50	0.15	0.99	✓		
landing		1	3.50	1.80	0.15	0.95	✓		
2nd flight		1	4.20	1.50	0.15	0.95	✓		
landing near roof		1	3.50	2.10	0.15	1.10	✓		
steps	0.5	23	1.50	0.32	0.15	0.83	✓		
lintel east side	1	6	2.45	0.20	0.30	0.88	✓		
lintel above class room doors	1	3	4.26	0.20	0.30	0.77	✓		
passage opening	1	6	3.90	0.20	0.30	1.40	✓		
passage opening	1	1	1.25	0.20	0.30	0.08	✓		
passage opening	1	2	3.90	0.20	0.30	0.47	✓		
passage opening	1	6	3.90	0.20	0.30	1.40	✓		
north side	1	1	3.20	0.20	0.30	0.19	✓		
north block lintel	1	7	3.80	0.20	0.30	1.60	✓		
	1	6	3.80	0.20	0.30	1.37	✓		
back side	1	1	28.20	0.20	0.30	1.69	✓		
	1	9	3.90	0.20	0.30	2.11	✓		
above doors & windows	1	9	3.90	0.20	0.30	2.11	✓		
head room lintel	1	2	3.00	0.20	0.30	0.36	✓		
lintel back side		1	37.10	0.20	0.30	2.23	✓		
		1	1.80	0.20	0.30	0.11			
					TOTAL	**56.12**	✓ **Cum**		
					BOQ QTY	**54.21**	✓	**7327.00**	**397196.67**
					UP TO 125% QTY	**1.91**	✓	**7327.00**	**13994.57**
32 Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixed concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25									
roof & beam east side B1		11	7.60	0.23	0.45	8.65	✓		
B2		10	1.85	0.23	0.30	1.28	✓		
B3,B4,B5		3	40.20	0.23	0.30	8.32	✓		
north side	1	8	7.60	0.23	0.45	6.29	✓		
	1	3	28.20	0.23	0.30	5.84	✓		
parpet beam		8	1.85	0.23	0.30	1.02	✓		
head room beam north side	1	2	9.30	0.23	0.30	1.28	✓		
	1	2	3.00	0.23	0.30	0.41	✓		
	1	10	7.60	0.23	0.45	7.87	✓		
	1	10	1.85	0.23	0.30	1.28	✓		
	1	3	37.10	0.23	0.30	7.68	✓		
head room beam east side	1	2	9.30	0.23	0.30	1.28	✓		
	1	2	3.66	0.23	0.30	0.51	✓		
stair case landing beam	1	1	3.66	0.23	0.30	0.25	✓		
	1	2	1.75	0.23	0.45	0.36	✓		
east side roof		1	25.10	9.30	0.15	35.01	✓		
		1	15.70	9.30	0.15	21.90	✓		
head room slab		1	9.30	3.66	0.15	5.11	✓		

	north side roof		1	28.20	9.30	0.15	39.34			
			1	37.10	9.30	0.15	51.75			
	head room roof slab		1	3.00	9.30	0.15	4.19			
						TOTAL	209.62	Cum	7177.00	1504478.41
83	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.									
	east side roof mat		1	25.10	9.30		233.43			
	roof mat		1	15.70	9.30		146.01			
	head room		1	9.30	3.66		34.04			
	north side mat		1	28.20	9.30		262.26			
			1	37.10	9.30		345.03			
	head room slab		1	3.00	9.30		27.90			
	stair case waist slab east side		1	4.80	1.50		7.20			
			1	3.66	1.75		6.41			
			1	4.70	1.50		7.05			
	north side		1	4.40	1.50		6.60			
			1	3.50	1.50		5.25			
			1	4.20	1.50		6.30			
			1	3.50	1.75		6.13			
						TOTAL	1093.60	Sqm		
						BOQ QTY	973.25		73.00	71047.25
						UP TO 125% QTY	120.35		73.00	8785.55
4	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications									
	east side	1	6	2.45		0.45	6.62			
		1	3	2.20		0.45	2.97			
	north side	1	1	28.20		0.60	16.92			
	QTY FOR ABOVE 125%	1	1	37.10		0.60	22.26			
	SR 2015-16 435.00					TOTAL	48.77	Sqm		
	AW 6 % 26.10					BOQ QTY	21.06		516.00	10866.96
	TOTAL 461.10					UP TO 125% QTY	5.26		516.00	2714.16
	ADD TP 11.95% 55.10					ABOVE 125% QTY	22.45		516.20	11588.69
	GRAND TOTAL 516.20									
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.									
	east side C1&C2		22	2(0.45+0.23)		2.90	86.76			
	C3		11	2(0.23+0.23)		3.05	30.86			
	north side C1		36	2(0.45+0.23)		2.90	141.98			
	C3		18	2(0.23+0.23)		3.05	50.50			
	for column upto parpet wall		20	2(0.45+0.23)		1.00	27.20			
			10	2(0.23+0.23)		1.00	9.20			
			36	2(0.23+0.45)		1.00	48.96			
			16	2(0.23+0.23)		1.00	14.72			
	head room		4	2(0.45+0.23)		0.80	4.35			
			4	2(0.23+0.23)		0.95	3.49			
			4	2(0.45+0.23)		0.80	4.35			
			4	2(0.23+0.23)		0.95	3.49			
						TOTAL	425.86	Sqm	433.00	184397.38

85	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.5M from Ground level									
	east side		1	25.10	9.30		233.43	✓		
			1	15.70	9.30		146.01	✓		
	head room		1	3.66	9.30		34.04	✓		
	north side		1	28.20	9.30		262.26	✓		
			1	37.10	9.30		345.03	✓		
	head room		1	3.00	9.30		27.90	✓		
	QTY FOR ABOVE 125%					**TOTAL**	**1048.67**	✓ **Sqm**		
	SR 2015-16 **305.00**					**BOQ QTY**	**838.19**	✓	**374.00**	**313483.06**
	LIFT CHARGES FOR 1ST FLOOR **5.00**					**UP TO 125% QTY**	**209.54**	✓	**374.00**	**78367.96**
	LIFT CHARGES FOR 2ND FLOOR **5.00**					**ABOVE 125% QTY**	**0.94**	✓	**373.80**	**351.37**
	AW 6 % **18.90**									
	TOTAL **333.90**									
	ADD TP 11.95% **39.90**									
	GRAND TOTAL **373.80**									
	Providing & removing centering shuttering,strutting, propping etc., and removal of form work for sides & soffits of beams, beam haunchings, cantilever girders, bresumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.									
	lintel beam,east	2	6	2.45		0.30	8.82	✓		
		1	6	3.50		0.23	4.83	✓		
	for windows bottom	1	9	1.80		0.20	3.24	✓		
		2	3	4.26		0.30	7.67	✓		
		2	6	3.90		0.30	14.04	✓		
		2	1	1.25		0.30	0.75	✓		
		2	2	3.90		0.30	4.68	✓		
		2	6	3.90		0.30	14.04	✓		
	near stair case	2	1	3.20		0.30	1.92	✓		
	north side lintel	2	7	3.80		0.30	15.96	✓		
		2	6	3.80		0.30	13.68	✓		
	college back side	2	1	28.20		0.30	16.92	✓		
		2	9	3.90		0.30	21.06	✓		
	above doors & windows	2	9	3.90		0.30	21.06	✓		
	head room	2	2	3.00		0.30	3.60	✓		
	back side	2	1	37.10		0.30	22.26	✓		
		2	1	1.80		0.30	1.08	✓		
	beam east side B1	2	11	7.60		0.45	75.24	✓		
	B1	1	11	7.60		0.23	19.23	✓		
	B2	2	10	1.85		0.30	11.10	✓		
		1	10	1.80		0.23	4.14	✓		
	B3 B4 B5	2	3	40.20		0.30	72.36	✓		
		1	3	40.20		0.23	27.74	✓		
	near stair case	2	4	7.40		0.45	26.64	✓		
		1	4	7.40		0.23	6.81	✓		
		2	3	15.50		0.30	27.90	✓		
		1	3	15.50		0.23	10.70	✓		
	beam	2	4	1.90		0.30	4.56	✓		
		1	4	1.90		0.23	1.75	✓		
	north side	1	8	7.40		0.23	13.62	✓		
		2	3	28.20		0.30	50.76	✓		
		1	3	28.20		0.23	19.46	✓		

	passage beam	2	8	1.90		0.30	9.12			
		1	8	1.90		0.23	3.50			
	head room beam north side	2	2	9.30		0.30	11.16			
		1	2	9.30		0.23	4.28			
		2	2	3.00		0.30	3.60			
		1	2	3.00		0.23	1.38			
		2	10	7.40		0.45	66.60			
		1	10	7.40		0.23	17.02			
	passage beam	2	10	1.90		0.30	11.40			
		1	10	1.90		0.23	4.37			
		2	3	37.10		0.30	66.78			
		1	3	37.10		0.23	25.60			
	head room east	2	2	9.30		0.30	11.16			
		1	2	9.30		0.23	4.28			
		2	2	3.66		0.30	4.39			
		1	2	3.66		0.23	1.68			
	stair case landing beam	2	1	3.66		0.30	2.20			
		1	1	3.66		0.23	0.84			
		2	2	1.75		0.45	3.15			
		1	2	1.75		0.23	0.81			
						TOTAL	**800.91**	**Sqm**		
						BOQ QTY	**716.36**		**309.00**	**221355.24**
						UP TO 125% QTY	**84.55**		**309.00**	**26125.95**
88	Providing and removing centering, shuttering, strutting,propping etc., for chajjas,corbalsetc., including edges incluidng cost of all materials, labour complete as per specifications. Second Floor									
	east side	1	6	2.45		0.45	6.62			
		1	3	2.20		0.45	2.97			
	north side	1	1	28.20		0.60	16.92			
	QTY FOR ABOVE 125%	1	1	37.10		0.60	22.26			
	SR 2015-16 263.00					**TOTAL**	**48.77**	**Sqm**		
	LIFT CHARGES FOR 1ST FLOOR 5.00					**BOQ QTY**	**21.06**		**324.00**	**6823.44**
	LIFT CHARGES FOR 2ND FLOOR 5.00					**UP TO 125% QTY**	**5.26**		**324.00**	**1704.24**
	AW 6 % 16.38					**ABOVE 125% QTY**	**22.45**		**323.96**	**7272.90**
	TOTAL 289.38									
	ADD TP 11.95% 34.58									
	GRAND TOTAL 323.96									
89	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.									
	1st flight		1	4.80	1.50		7.20			
	side		2	4.80	0.45		4.32			
	2nd flight		1	3.66	1.75		6.41			
			1	4.70	1.50		7.05			
			2	4.70	0.45		4.23			
	steps		22	1.50	0.15		4.95			
			1	1.00	1.50		1.50			
			1	4.40	1.50		6.60			
	side		2	4.40	0.45		3.96			
			1	3.50	1.80		6.30			
			1	4.20	1.50		6.30			
			2	4.20	0.45		3.78			